

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-NT5E/CD73



Numéro de catalogue: 12231-1-AP

Phare

34 Publications

Informations de base

Numéro de catalogue:
12231-1-AP

Taille:
150ul, Concentration: 350 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG2869

Numéro d'acquisition GenBank:
BC015940

Identification du gène (NCBI):
4907

Nom complet:
5'-nucleotidase, ecto (CD73)

MW calculé
29 kDa, 63 kDa

MW observés:
63-70 kDa

Méthode de purification:
Purification par affinité contre
l'antigène

Dilutions recommandées:
WB 1:1000-1:3000
IHC 1:250-1:1000
IF 1:50-1:500

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
FC, IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
bovin, Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules A375, cellules HT-29, cellules HuH-7, cellules Jurkat, cellules K-562, tissu cérébral de souris, tissu splénique humain

IHC : tissu de cancer du poumon humain, tissu de cancer de l'estomac humain, tissu de cancer du côlon humain, tissu de côlon humain, tissu d'estomac humain, tissu rénal de souris

IF : tissu d'intestin grêle de souris,

Informations générales

NT5E(5'-nucleotidase) is also named as NT5, NTE,CD73,ecto-5'-nucleotidase, and belongs to the 5'-nucleotidase family. It catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP. The enzyme occurs mainly as a dimer and the wide distribution of NT5E in the rat hippocampus, suggesting their involvement in the control of the purinergic signaling(PMID:17619139). This protein has two isoforms with the molecular weight of 63 kDa and 58 kDa and four glycosylation sites with a signalpeptide. It can exist as a dimer(PMID:17619139). It can be detected the band of 55 kDa,64 kDa, 70 kDa, 110 kDa by western blot(PMID:17619139; 12370277; 21533188). Defects in NT5E are the cause of calcification of joints and arteries (CALJA).

Publications notables

Autrice	Pubmed ID	Journal	Application
Xue Wu	36330907	Int Immunopharmacol	WB,IHC
Xuxin Chen	30362554	J Cell Physiol	FC
Wengeng Lu	34746277	Front Vet Sci	IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

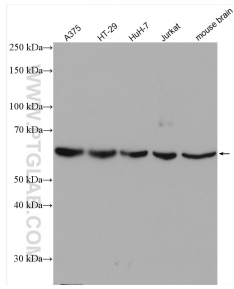
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

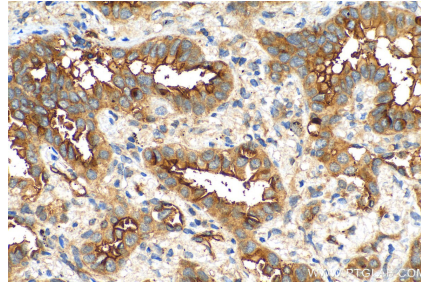
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

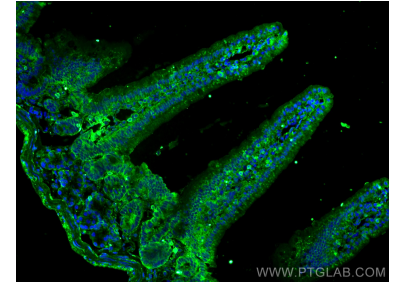
Données de validation sélectionnées



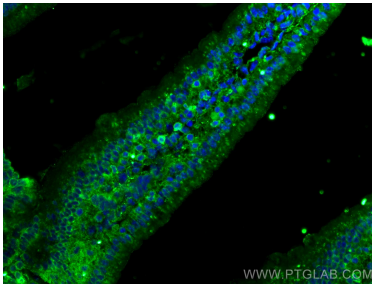
Various lysates were subjected to SDS PAGE followed by western blot with 12231-1-AP (NT5E/CD73 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



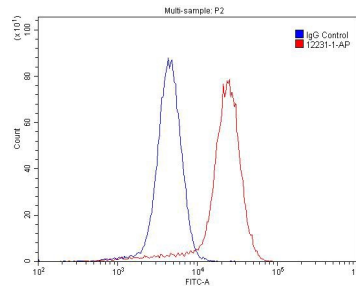
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12231-1-AP (NT5E/CD73 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse small intestine tissue using NT5E/CD73 antibody (12231-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse small intestine tissue using NT5E/CD73 antibody (12231-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10⁶ NCCIT cell were stained with 0.2ug NT5E/CD73 antibody (12231-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.